

Amendments to the Claims:

Listing of Claims:

1. (Currently Amended) A ~~live center belt tensionerdrive system~~ comprising:
first and second pulleys; and
a belt reeved over the first and second pulleys;
~~wherein the first pulley is loaded away from the second pulley a first biasing mechanism tensioning the first pulley away from the second pulley in a pivoting fashion about a pivot point located with reference to a centerline between the first pulley and the second pulley and a theoretical intersection of the belt strands, such that application of torque to the first pulley in a first direction proportionally elevates average belt tension, while application of torque to the first pulley in the opposite direction proportionally decreases average belt tension; and~~
~~belt load on the pulleys thereby reorienting when torque is applied.~~

2. (Canceled)

3. (Currently Amended) The ~~tensioner belt drive system~~ of claim 1 further comprising:

a drive motor on which the first pulley is mounted, the first pulley comprising a drive pulley;

a motor plate on which the drive motor is mounted and that is in turn attached to a frame of a device in which the motor is employed; and

a freely pivoting connection between the motor plate and the frame.

4. (Currently Amended) The ~~tensioner~~belt drive system of claim 43 wherein the second pulley is attached to a drum of a device in which the motor is employed.

5. (Currently Amended) The ~~tensioner~~belt drive system of claim 1 wherein the ~~motor plate~~first pulley is biased away from the driven second pulley by the ~~first~~a biasing mechanism so as to induce tension in the belt.

6. (Currently Amended) The ~~tensioner~~belt drive system of claim 1 wherein the first biasing mechanism comprises a spring that generates a biasing moment M_{bias} about the pivot point.

7. (Currently Amended) The ~~tensioner~~belt drive system of claim 6 wherein the first biasing mechanism is a linear force device mounted at a distance d_{bias} from the pivot point.

8. (Withdrawn) The tensioner of claim 6 wherein the first biasing mechanism comprises a torsional spring mounted about the pivot point.

9. (Withdrawn) The tensioner of claim 1 further comprising a second biasing mechanism that tensions the second pulley away from the first pulley.

10. (Currently Amended) A belt ~~tensioner~~drive system comprising:
a pivoting motor mount attached to a frame;
a pivot point of the pivoting motor mount about which the pivoting motor mount pivots
and via which the pivoting motor mount is attached to the frame;
a first pulley attached to the pivoting motor mount and receiving motive power from a
motor mounted on the pivoting motor mount;

a second pulley attached to an element of a machine in which the tensioner belt drive system is used;

a belt reeved over the first pulley and the second pulley, thereby transferring motive power from the motor to the second pulley via the first pulley; and

a first-biasing device attached to the pivoting mount and biasing the first pulley away from the second pulley about a pivot point located with reference to a centerline between the first pulley and the second pulley and a theoretical intersection of the belt strands such that changes in motive power from the motor result in changes in biasing moment on the pivoting motor mount, as well as average belt tension and corresponding changes in drive torque capacity.

11. (Canceled)

12. (Currently Amended) The belt drive systemtensioner of claim 10 wherein the motor mount comprises a motor plate on which the drive motor is mounted and that is in turn attached to a frame of a device in which the tensioner is employed, and the motor plate is attached to the frame via a freely pivoting connection between the motor plate and the frame.

13. (Currently Amended) The belt drive systemtensioner of claim 10 wherein the second pulley is attached to a drum of a device in which the motor is employed.

14. (Currently Amended) The belt drive systemtensioner of claim 10 wherein the motor mount is biased away from the driven pulley by the first biasing mechanism so as to induce tension in the belt.

15. (Currently Amended) The belt drive system~~tensioner~~ of claim 10 wherein the first biasing mechanism comprises a spring that generates a biasing moment M_{bias} about the pivot point.

16. (Currently Amended) The belt drive system~~tensioner~~ of claim 15 wherein the first biasing mechanism is a linear force device mounted at a distance d_{bias} from the pivot point.

17. (Withdrawn) The tensioner of claim 15 wherein the first biasing mechanism comprises a torsional spring mounted about the pivot point.

18. (Withdrawn) The tensioner of claim 10 further comprising a second biasing mechanism that tensions the second pulley away from the first pulley.

19. (Withdrawn) The tensioner of claim 18 wherein the second biasing mechanism is a linear force device mounted at a distance d_{bias} from the pivot point.

20. (Withdrawn) The tensioner of claim 18 wherein the second biasing mechanism comprises a torsional spring mounted about the pivot point.

21. (Currently Amended) In a marking device comprising a frame, a media path and a rotating element driven by a motor via a belt, a drive pulley, and a driven pulley, the belt being reeved over the drive pulley and the driven pulley, a tensioner~~belt tensioning system~~ comprising a pivoting motor mount attached to the frame via a freely pivoting connection at a pivot point located with reference to a centerline between the drive pulley and the driven pulley and a theoretical intersection of the belt strands, a first biasing mechanism arranged to induce a biasing moment M_{bias} about the pivot point, and belt load on the pulleys thereby reorienting when torque is applied such that application of torque to the first pulley in

a first direction proportionally elevates average belt tension, while application of torque to the first pulley in the opposite direction proportionally decreases average belt tension.

22. (Canceled)

23. (Currently Amended) The belt tensioning systemtensioner of claim 21 wherein the second pulley is attached to a drum of a device in which the motor is employed, the drum comprising a part of the media path.

24. (Currently Amended) The belt tensioning systemtensioner of claim 21 wherein the motor plate is biased away from the driven pulley by the first biasing mechanism so as to induce tension in the belt.

25. (Currently Amended) The belt tensioning systemtensioner of claim 21 wherein the first biasing mechanism comprises a spring that generates a biasing moment M_{bias} about the pivot point.

26. (Currently Amended) The belt tensioning systemtensioner of claim 25 wherein the first biasing mechanism is a linear force device mounted at a distance d_{bias} from the pivot point.

27. (Withdrawn) The tensioner of claim 25 wherein the first biasing mechanism comprises a torsional spring mounted about the pivot point.

28. (Withdrawn) The tensioner of claim 21 further comprising a second biasing mechanism that tensions the second pulley away from the first pulley.

29. (Withdrawn) The tensioner of claim 28 wherein the second biasing mechanism is a linear force device mounted at a distance d_{bias} from the pivot point.

30. (Withdrawn) The tensioner of claim 28 wherein the second biasing mechanism comprises a torsional spring mounted about the pivot point.

31. (Withdrawn) The tensioner of claim 21 wherein the marking device is a phase change ink jet device.

32. (Withdrawn) The tensioner of claim 21 wherein the marking device is an electroreprographic device.